

App. Serial No. 09/759,177
Docket No.: AT 000001 US

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In the Claims:

Please amend claims 1 and 12 as indicated below. This listing of claims replaces all prior versions.

1. (Currently Amended) A data carrier configured to communicate with a communication station with the aid of a carrier signal having a given carrier signal frequency and which includes a receiving means configuration for receiving the carrier signal, which receiving means configuration includes a first switching means, which is switchable between a conductive switching state and a non-conductive switching state, and a first transmission coil that can be short-circuited with the aid of the first switching means, through which first transmission coil a coil current flows during a communication process with a communication station, during which process the first switching means is in its conductive switching state, which coil current has a phase lag with respect to the voltage across the first transmission coil, and a capacitor configuration arranged in parallel with at least one second transmission coil, the capacitor configuration causing a coil current through the at least one second transmission coil during the communication process with a communication station, which coil current has a phase lead with respect to the voltage across the at least one second transmission coil, characterized in that: the receiving means configuration is configured to be controllable ~~as regards the value of~~ by an impedance value due to control over both the at least one second transmission coil and the capacitor configuration, the controllable impedance value being selected so that, during the communication process with a communication station, cancellation is provided of respective magnetic fields associated with the first transmission coil and the at least one second transmission coil.

2. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is configured to be controllable as regards its capacitance value.

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3. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is configured to be controllable only as regards its capacitance value.

4. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration includes a first capacitor and at least one series arrangement comprising:

a second capacitor and a second switching means arranged in parallel with the first capacitor, and

the second switching means is switchable between a conductive switching state and a non-conductive switching state.

5. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is arranged in series with the first transmission coil.

6. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is arranged in parallel with both the at least one second transmission coil and the first transmission coil.

7. (Cancelled) A data carrier as claimed in claim 1, wherein the receiving means configuration is configured to be controllable as regards the value of the capacitor configuration.

8. (Cancelled) A data carrier as claimed in claim 1, wherein the receiving means configuration is configured to be controllable as regards the value of the at least one second transmission coil.

9. (Previously Presented) A data carrier as claimed in claim 1, wherein the receiving means configuration comprises plural second transmission coils, at least one of which is controllable.

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10. (Cancelled) A data carrier as claimed in claim 1, wherein the receiving means configuration is configured to be controllable as regards the value of both the least one second transmission coil and the capacitor configuration.

11. (Previously Presented) A data carrier as claimed in claim 1, wherein the receiving means configuration comprises plural second transmission coils, at least one of which is controllable.

12. (Currently Amended) A data carrier configured to communicate with a communication station with the aid of a carrier signal having a given carrier signal frequency, comprising:

a receiving means configuration for receiving the carrier signal, which receiving-means configuration includes

a first switching means, which is switchable between a conductive switching state and a non-conductive switching state,

a first transmission coil that is arranged so as to be short-circuited with the first switching means in its conductive switching state, through which first transmission coil a coil current flows during a communication process with a communication station, during which process the first switching means is in its conductive switching state, which coil current has a phase lag with respect to the voltage across the first transmission coil, and

a capacitor configuration arranged to cause a coil current through the at least one second transmission coil during the communication process with a communication station, which coil current has a phase lead with respect to the voltage across the at least one second transmission coil; and

the receiving means configuration being configured so as to be controllable as regards the value of by an impedance value due to control over both the at least one second transmission coil and the capacitor configuration, the controllable impedance value being selected so that, during the communication process with a communication station, cancellation is provided of respective magnetic fields associated with the first transmission coil and the at least one second transmission coil.

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13. (Previously Presented) A data carrier as claimed in claim 12, wherein the capacitor configuration includes a first capacitor and at least one series arrangement comprising: a second capacitor and a second switching means arranged in parallel with the first capacitor, and the second switching means is switchable between a conductive switching state and a non- conductive switching state.

14. (Previously Presented) A data carrier as claimed in claim 12, wherein the capacitor configuration is arranged in series with the first transmission coil and arranged in parallel with at least one second transmission coil.

15. (Cancelled) A data carrier as claimed in claim 12, wherein the capacitor configuration is arranged in parallel with both the at least one second transmission coil and the first transmission coil.

16. (Cancelled) A data carrier as claimed in claim 12, wherein the capacitor configuration comprises a first capacitor and a second capacitor, the first capacitor being arranged in parallel with the at least one second transmission coil, and the at least one second transmission coil being in a series arrangement with the first transmission coil and the second capacitor.

17. (Previously Presented) A data carrier as claimed in claim 12, wherein at least one of the capacitors is controllable.

18. (Cancelled) A data carrier as claimed in claim 12, wherein the receiving means configuration is configured to be controllable as regards the value of the capacitor configuration.

19. (Cancelled) A data carrier as claimed in claim 12, wherein the receiving means configuration is configured to be controllable as regards the value of the at least one second transmission coil.

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20. (Previously Presented) A data carrier as claimed in claim 12, wherein the receiving means configuration comprises plural second transmission coils, at least one of which is controllable.

21. (Cancelled) A data carrier as claimed in claim 12, wherein the receiving means configuration is configured to be controllable as regards the value of both the least one second transmission coil and the capacitor configuration.

22. (Previously Presented) A data carrier as claimed in claim 12, wherein the receiving means configuration comprises plural second transmission coils, at least one of which is controllable.